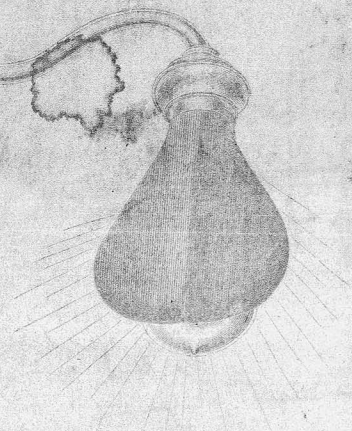


CATALOGUE NO. 6

OF FARIES
PATENT



UNIVERSAL



LAMP HOLDER AND

ELECTRIC FIXTURES.

PATENTED JULY 3, 1889,
AND JUNE 25, 1894.

Made by

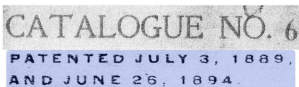
FARIES MANUFACTURING CO.

Factory and General Office, DECATUR, ILL.

Eastern Salesrooms, 136 Liberty Street, N. Y.



Catalogue No. 6 lists only the 1889 and 1894 patent dates
Catalogue No. 13 adds the 1898 and 1900 patent dates



CATALOGUE
No. 13

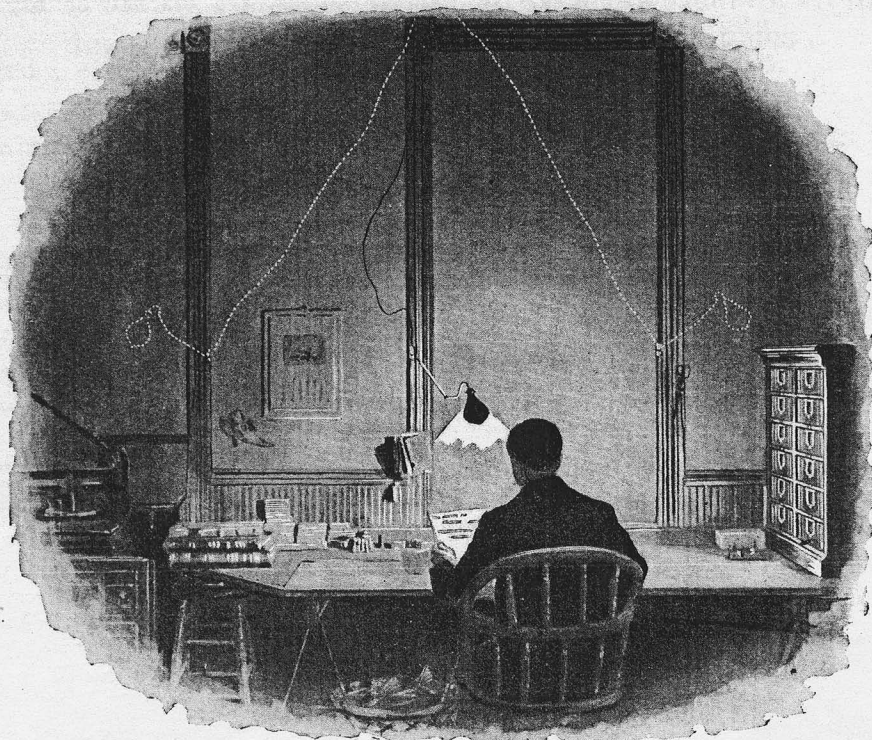
Patented July 23, 1889
Patented June 26, 1894
Patented May 10, 1898
Patented June 26, 1900

PUT YOUR LIGHT RIGHT WHERE YOU WANT IT.

THE detachable holder is well illustrated in the accompanying cut, where the light is shown in use, and two different positions to which it can be changed shown by dotted lines.

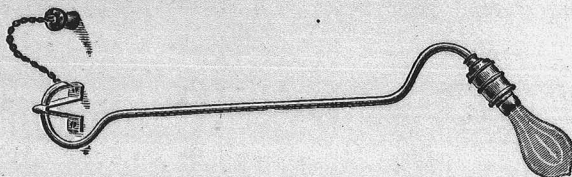
In this way the user can have his light right where he wants it—at desk, typewriter, or letter press, etc. Thus for a single person making one light serve the place of several.

“ECONOMY
IS WEALTH.”



DESCRIPTION.

In its Simplest Form this lamp holder consists of a bracket, or support, and an arm, as shown in the following cut.



The Bracket has an aperture near its outer end and through which the curved end of [the arm works loosely, the arm being movable in all directions, up and down and sidewise. Although moving easily by hand, it cannot slip or fall, for the instant it is released the weight cramps it.

These Holders are made in various sizes and styles, as shown in the following pages of this catalogue.

The Shades shown in Fig. 1 (page 4) and Nos. 26, 27 and 28 (page 22) will be furnished with any holder at prices given in connection with cuts.

MATERIAL USED.

The Smaller Brackets are made of *Brass*; the *Larger* ones of either *Brass* or *Iron*.
The *Outer Arms* are always made of *Heavy Brass Tubing*.

FINISH.

In Ordering state finish desired. If none is indicated we will send Polished Brass.

A New Thing!



DETACHABLE ARM.

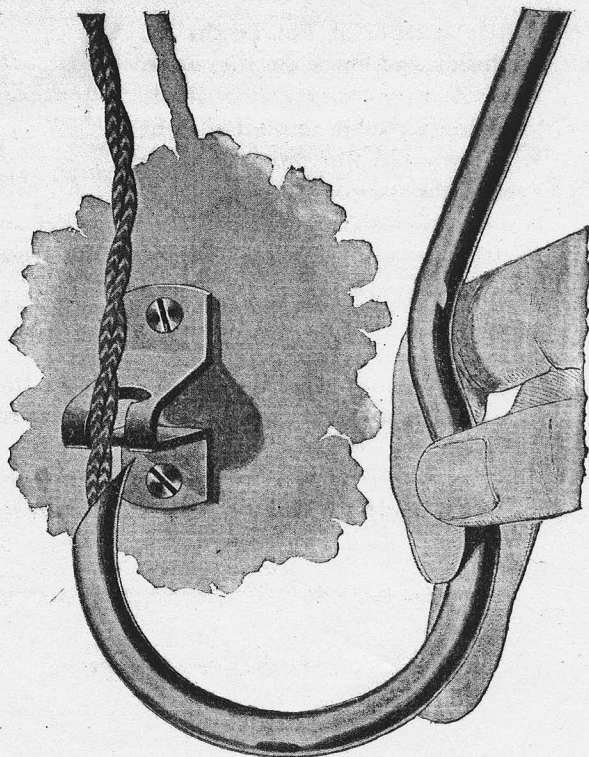
THIS CUT shows the curved end of arm and the bracket nearly the full size of the smaller holders, and with the end of the bracket slotted out, so that when end of arm is withdrawn from eye the cord can be drawn out and the arm attached to a different bracket at some other point.

As many as three or four supports may be put up at convenient places on the wall and the lamp quickly changed from one to any other one, thus making the lamp, in a measure, portable. (See cut on Page 1).

This being a comparatively new idea will account for its not being shown in many of the other cuts, but it is furnished now with all of the Single Swing Holders.

Outside of its Efficiency, its Cheapness is its Chief Recommendation.

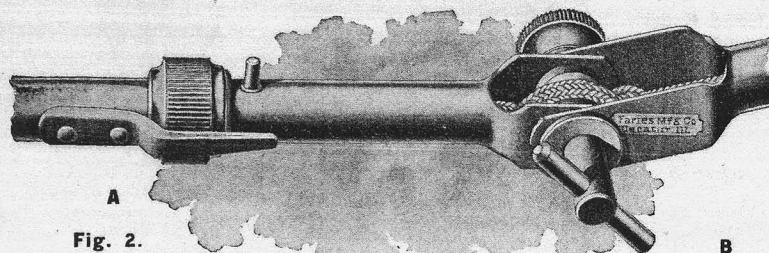
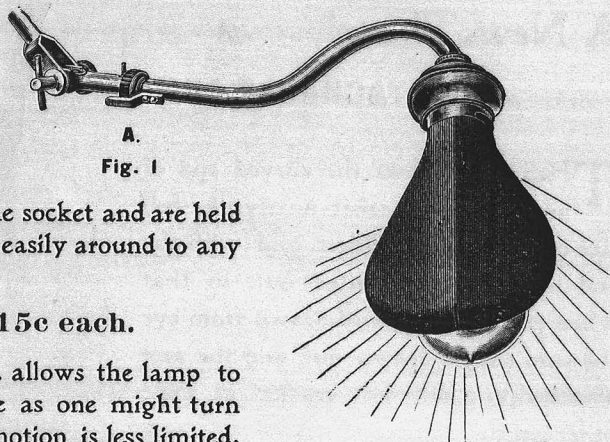
Price Extra Detachable Brackets . . 15c each



The Shade is made of Tin, bright on the inside and black on the back. It is both a reflector and a shade—casting a double amount of light where wanted and protecting the eyes of the user or workman. It is provided with ears which clasp the socket and are held together by a small wire. It slips easily around to any side.

Price **15c each.**

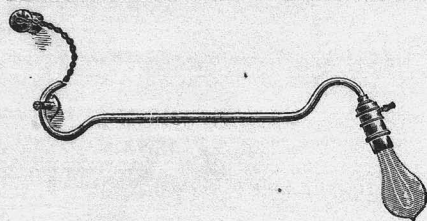
The Swivel, shown at A, Figs. 1 and 2, allows the lamp to be turned to any position, the same as one might turn his hand upon the wrist, only the motion is less limited, and it will stay wherever put. The greatest amount of light is obtained at the side of the lamp, but when holders without the swivel are used it is sometimes impossible to throw the



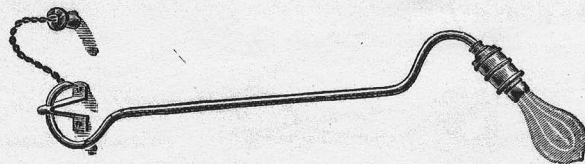
light from the side of the lamp upon the spot desired. The swivel enables the light from the side of the lamp to be cast right where it is wanted.

Price, 50c each.

The hinge of outer arm is shown nearly full size at B, Fig. 2. This shows how stands of cord are separated and thimble placed between them, thus keeping the cord in place.

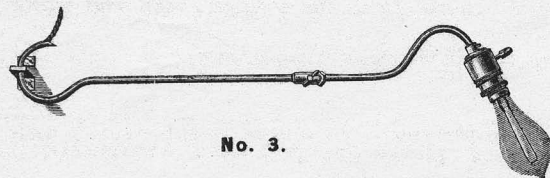


No. 1.



No. 2.

Numbers 1 and 2 are simple one-arm holders, the former 16 inches and the latter 24 inches long. Both are made of $\frac{3}{8}$ -inch Brass Tubing, and work in brackets screwed to wall or post.



No. 3.

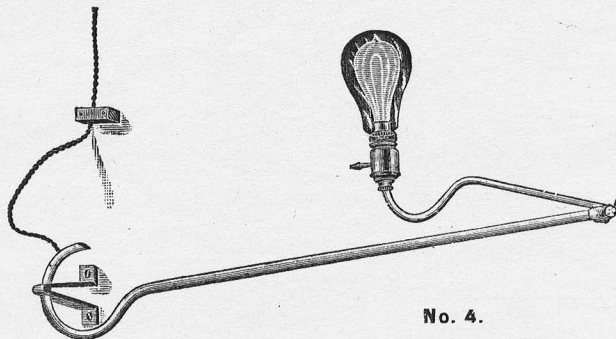
Number 3 differs from Nos. 1 and 2 in that the arm has a second section hinged to the first one. The combined length of the two sections is 24 inches, the same as No. 2.

Number 4 is the same as No. 3 except that it is larger, and the bracket made of iron. The first section of the arm is made of $\frac{1}{2}$ -inch tubing, and the combined length of the two sections is 3 feet 4 inches.

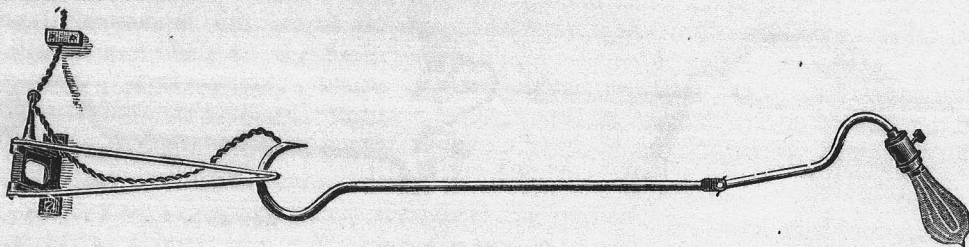
PRICES.

	Brass Polished.	Brass Oxidized.	Brass Copper Oxidized.
No 1.....	\$.60	\$.70	\$.80
No 2.....	.70	.80	.90
No 3.....	1.25	1.40	1.55
No 4.....	1.60	1.75	1.90

Prices do not include shade, lamp, socket or cord.



No. 4.

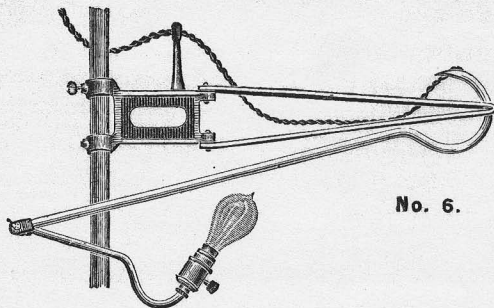


No. 5.

Number 5, which is shown in the above cut, has the same hinged arm as Nos. 3 and 4, but the iron bracket which screws to the wall is made in two parts, so that the outer one swings horizontally. The length, when extended out from the wall, is 5 feet, and along the wall $4\frac{1}{2}$ feet on either side.

PRICES: Brass Polished, \$2.40; Brass Oxidized, \$2.55; Brass Copper Oxidized, \$2.70.
Prices do not include shade, lamp, socket or cord.

Number 6 is essentially the same as No. 5, excepting that the bracket which supports the arms, instead of being made to screw to wall, is provided with eyes to slip over $\frac{3}{4}$ inch iron pipe. The combined length of all these sections is 5 feet, so that the lamp can be placed in any inch of the space in a circle 10 feet in diameter horizontally and 6 feet vertically, besides adjustment up and down the pipe or post to which attached. The pipe may either hang down from the ceiling, extend up from the floor, bench or desk, or better, reach from one to the other, so as to be held at both ends and be stiff as possible.



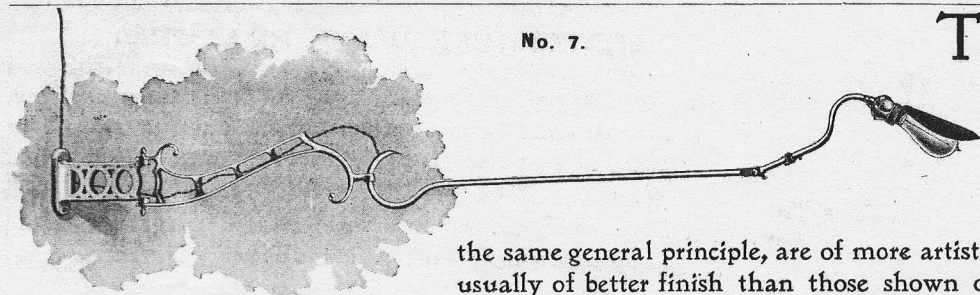
No. 6.

PRICES: Brass Polished, \$2.65; Brass Oxidized, \$2.80; Brass Copper Oxidized, \$2.95.

Prices do not include shade, lamp, socket or cord.

 Nos. 5 and 6 are especially adapted for shop and factory use. They ought, however, to have swivels.

No. 7.

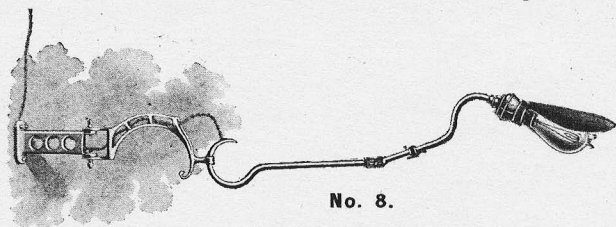


THE Holders shown on this and the succeeding pages, while on

the same general principle, are of more artistic design and usually of better finish than those shown on preceding pages. They are especially intended for Office, Store and Residence use. The better grade of them are made entirely of brass.

We, however, make a cheaper grade of Japanned or copper oxidized iron, excepting the outer arms, which are always made of brass.

Numbers 7 and 8 are screwed to wall. The former is 5 feet long and the latter 3 feet, both measures including lamp.



No. 8.

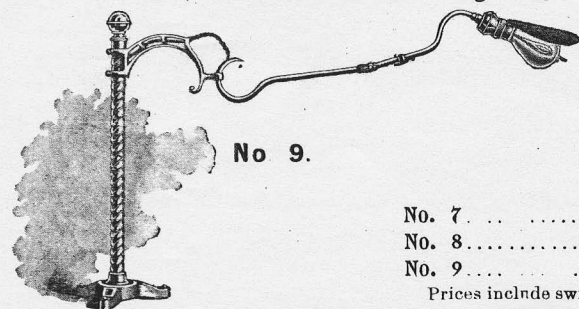
In Number 9 the base is screwed to desk or table, and the arms revolve entirely around the standard. As shown the standard is 21 inches high, and combined length of arms is 2½ feet.

PRICES.

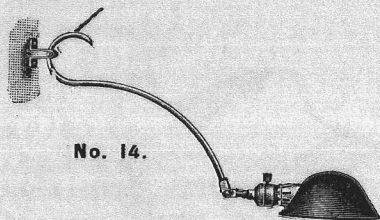
	All Brass.	Copper Oxidized.	Japanned.
No. 7	\$5.00	\$4.50	\$3.15
No. 8	3.75	3.35	2.60
No. 9	4.50	4.50	3.50

Prices include swivel, but not shade, lamp, socket or cord.

No. 9.



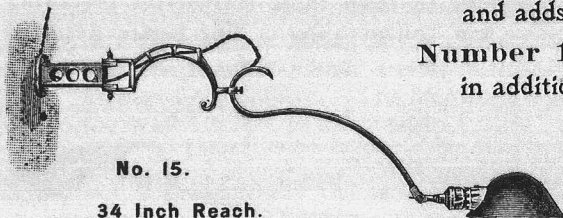
ADJUSTABLE WALL BRACKET.



No. 14.

22 Inch Reach.

Number 14 has a single arm which can be raised and lowered and swung to either side. When straight out the center of the lamp will be 22 inches from wall. When so ordered we will furnish an iron wall plate and $4 \times 2\frac{1}{2}$ inch canopy with this bracket, same as on Nos. 31 and 38 which very much enhances its appearance and adds 2 inches to the length.

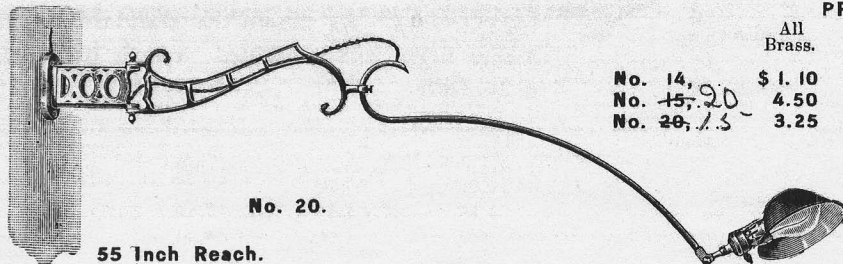


No. 15.

34 Inch Reach.

Number 15 has an outer arm the same as No. 14, but in addition to that it has an inner arm which swings horizontally only, and which very much increases the scope of adjustment. The whole reaches 34 inches.

Number 20 is similar to No. 15, only that it is longer and larger in proportion. It holds the lamp 55 inches from wall when straight out. Although our Parabola shade is shown on all of these brackets and we think it much better adapted for them than any other, other light shades can be used.



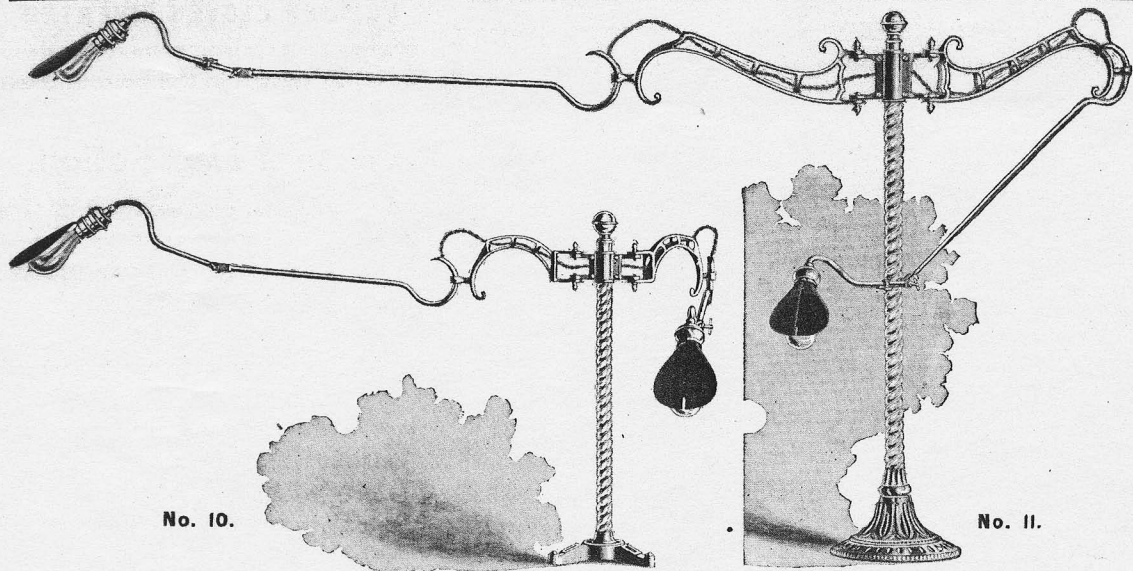
No. 20.

55 Inch Reach.

PRICES:

	All Brass.	Copper Oxidized.	Japanned except outer arm which is brass
No. 14,	\$ 1.10	\$ 1.30	
No. 15, <i>20</i>	4.50	4.00	\$2.65
No. 20, <i>15</i>	3.25	2.85	2.10

Prices do not include shade lamp, socket or wire.



No. 10.

No. 11.

Numbers 10 and 11, like No. 9, have bases which are fastened to desk, table, or counter, with screws. They differ from No. 9, in having two sets of arms instead of one.

These holders are especially adapted for two persons at one desk or table. The height of standard will be varied to suit requirements.

The height shown in cuts are 36 and 23 inches, respectively.

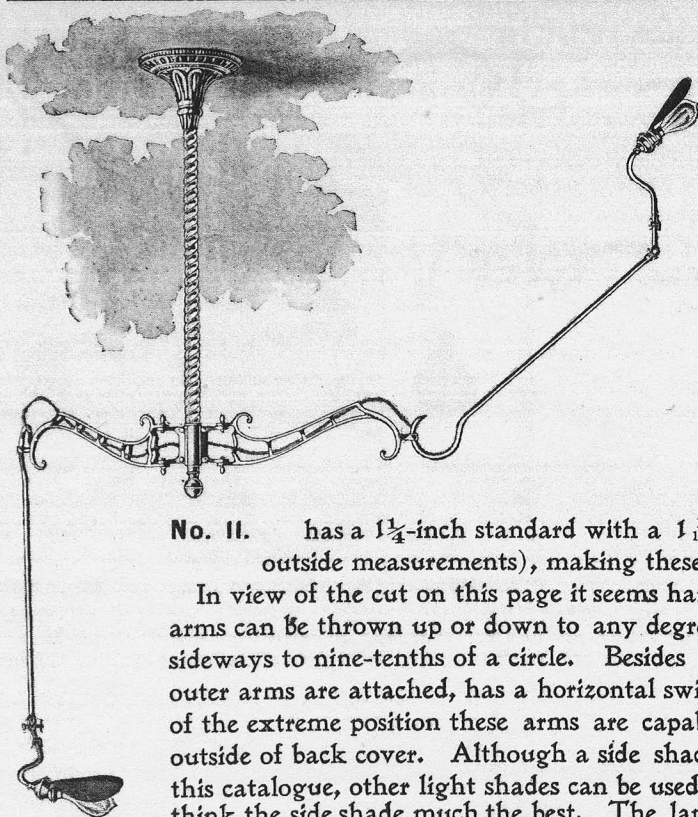
The combined length of arms on each side from center of standard is, in the larger one, 4 feet 9 inches, and in the smaller one 3 feet.

PRICES

{ No. 11—All Brass, \$12.00; Copper Oxidized, \$10.00; Japanned, \$6.50.
 { No. 10—All Brass or “ \$7.50; “ \$5.50.

Cut of No. 10 does not show swivel, but price includes it.

Prices do not include Shade, Lamp, Socket or Cord.



NUMBER ELEVEN INVERTED

Makes an excellent pendant or drop light, as shown in the present illustration.

General Description.

AS we have room to spare on this page we will use it to give a more detailed general description than we have heretofore found room for.

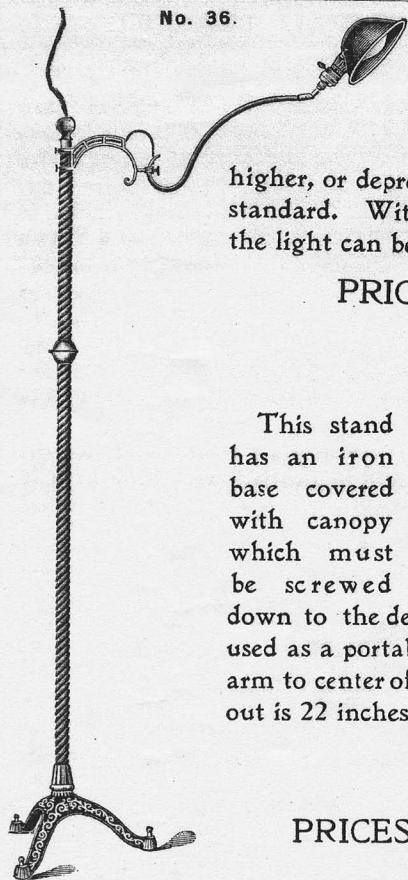
The bases of Nos. 9, 10 and 11 are very heavy and strong, and the standards of Nos. 9 and 10 are one inch in diameter and stiffened by a $\frac{3}{4}$ -inch iron pipe inside. No. 11

No. 11. has a $1\frac{1}{4}$ -inch standard with a $1\frac{1}{16}$ -inch iron pipe inside, (these are all outside measurements), making these fixtures very strong and rigid.

In view of the cut on this page it seems hardly necessary to say that the outer arms can be thrown up or down to any degree. They also have free motion sideways to nine-tenths of a circle. Besides this, the inner arm, to which the outer arms are attached, has a horizontal swing $\frac{3}{4}$ around or more. Some idea of the extreme position these arms are capable of can be had from the cut on outside of back cover. Although a side shade is shown in most of the cuts in this catalogue, other light shades can be used, though for industrial purposes we think the side shade much the best. The lamp is placed in the desired position

and the shade slipped around so as to shield the eyes, and by its reflecting surface throw the light strongly onto the work.

No. 36.



PORTABLE SURGICAL FLOOR STAND.

AN excellent thing for dental and other surgeons and for similar purposes. The standard is 5 feet high. and the arm which supports the lamp can be raised a foot or more higher, or depressed that much lower and it will swing clear around the standard. With our Parabola reflector. which swivels around the socket, the light can be concentrated on the exact spot wanted.

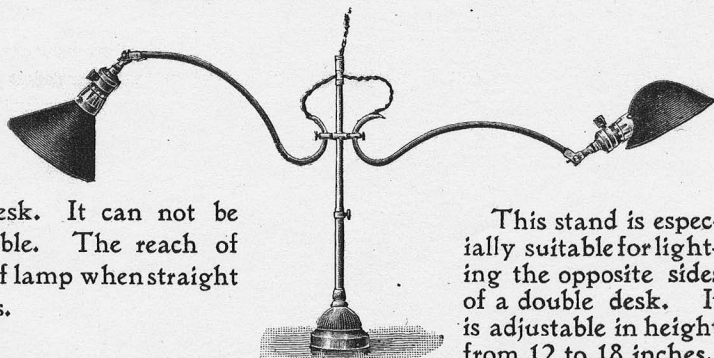
PRICES.

Brass Polished	\$8.40
Copper Oxidized	\$8.40
Polished Brass with Copper oxidized base	\$7.40

Prices do not include Shade, Lamp, Socket or Cord.

STATIONARY DESK STAND.

This stand has an iron base covered with canopy which must be screwed down to the desk. It can not be used as a portable. The reach of arm to center of lamp when straight out is 22 inches.



This stand is especially suitable for lighting the opposite sides of a double desk. It is adjustable in height from 12 to 18 inches.

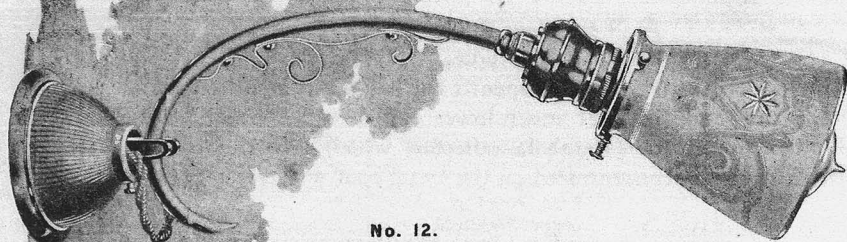
No. 35.

PRICES.

Brass Polished	\$4.00
Brass Oxidized	\$4.25
Copper Oxidized	\$4.50

Prices do not include Shade, Lamp, Socket or Cord.

9-INCH WALL BRACKET.



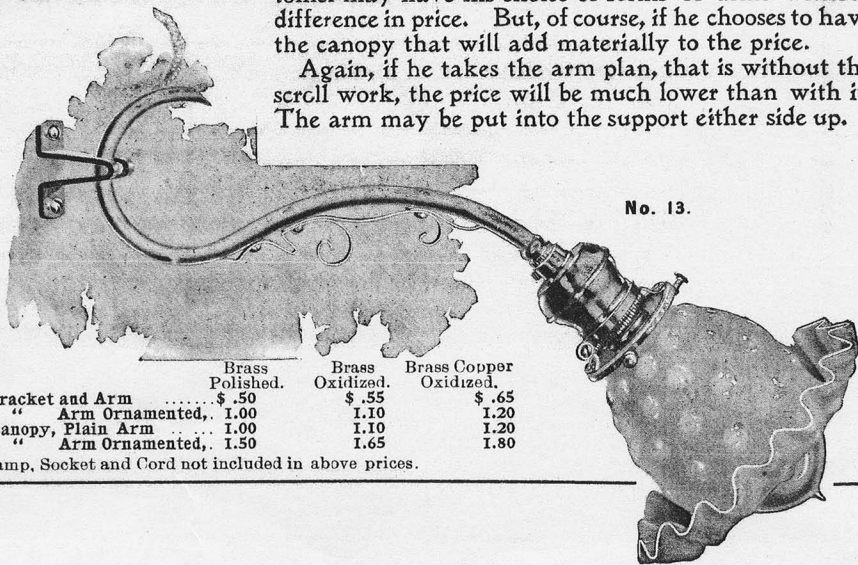
No. 12.

THESE two cuts represent the same thing except in form of arm, and that one of the brackets (proper) or wall attachment.

ments is surrounded by a canopy, while the other is not. The customer may have his choice of forms of arms without difference in price. But, of course, if he chooses to have the canopy that will add materially to the price.

Again, if he takes the arm plan, that is without the scroll work, the price will be much lower than with it. The arm may be put into the support either side up.

Lamp and Socket are not included in above measurements.



No. 13.

PRICES		Brass Polished.	Brass Oxidized.	Brass Copper Oxidized.
{	Plain Bracket and Arm	\$.50	\$.55	\$.65
	“ “ Arm Ornamented, 1.00	1.00	1.10	1.20
	With Canopy, Plain Arm	1.00	1.10	1.20
	“ “ Arm Ornamented, 1.50	1.50	1.65	1.80

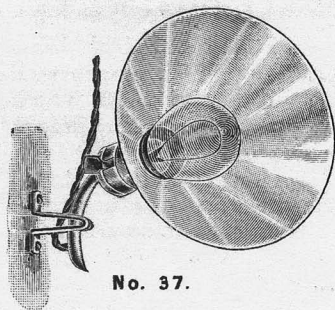
Shade, Lamp, Socket and Cord not included in above prices.

SHORT ADJUSTABLE BRACKET.

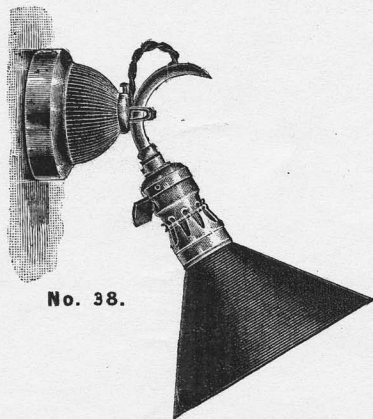
THESE brackets are furnished either with or without canopies, as shown in the two cuts. They are adjustable in all directions. And while they are suitable for use anywhere that a short bracket can be used to advantage, they are especially adapted to the lighting of show windows, or for similar purposes.

They may be placed in rows up and down the sides of the window or across top and bottom, or both, and turned so as to light the window evenly all over, or to concentrate the light on any particular object, while lamps are shielded from view.

While our cone shade (No. 26) is better suited to this purpose than any other shade, other shades may be used, and for that reason we will make prices without either shade, socket, lamp or cord.



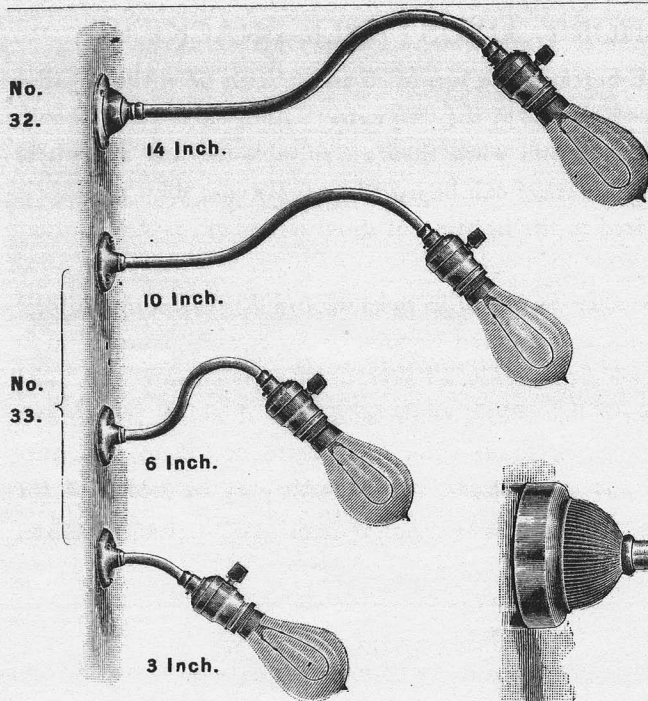
No. 37.



No. 38.

PRICES PER DOZEN.

WITHOUT CANOPY	{ Brass	\$4.00
	{ Brass Oxidized	4.45
	{ Copper Oxidized	4.75
WITH CANOPY . .	{ Brass	\$10.00
	{ Brass Oxidized	10.50
	{ Copper Oxidized	11.20

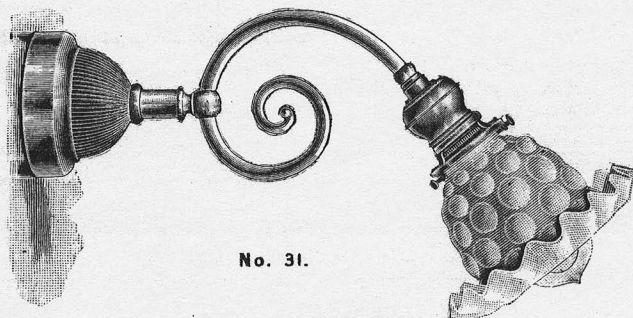


FIXED WALL BRACKETS.

No. 32 is made of 7-16-inch brass tubing and it has a 2 $\frac{3}{4}$ -inch iron wall plate covered with spun brass, which is sufficiently strong to support a bracket 3 feet or more in length. We will make them any length to order at two cents an inch for added length.

The three brackets No. 33 are made of 3-8 inch brass tubing and have 2 1-8 inch heavy spun brass wall plates, sufficiently strong for 12-in. brackets.

We will bend any of these brackets to order so that the lamp will point to any angle from straight out to straight down.



No. 31.

PRICES PER DOZEN.

		Brass Polished.	Brass Oxidized.	Copper Oxidized.
No. 32.	14 Inch	\$8.40	\$9.15	\$9.75
	10 Inch	4.00	4.60	5.20
No. 33.	6 Inch	3.00	3.40	3.80
	3 Inch	2.50	2.75	3.00

Prices do not include Shade, Lamp, Socket or Cord.

TEN INCH ORNAMENTAL BRACKET.

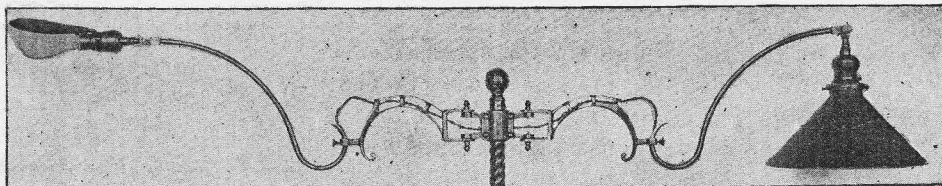
The whole length including lamp is about 15 inches.

PRICES	Brass Polished	\$2.25
	Copper Oxidized	\$2.50

Prices do not include Shade, Lamp, Socket or Cord.

THE combined length of arms is two feet on each side when lamp hangs down; and six inches

more when straight out. The lamps are adjustable to any position, up and down and around the standard. The standard is 22 inches high. Any kind of shade can be used. The base is a cast iron flange covered by canopy. It must be screwed down to table.



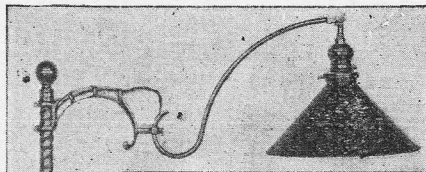
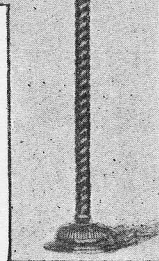
No.

25.

PRICES.

Brass or Oxidized Copper.....	\$6.75
Japanned,.....	\$4.00

When made oxidized copper the inner arms and bracket are made of gray iron plated with copper.



No. 21.

The combined length of arms is 20 inches with lamp hanging down, and six inches longer when straight out. The lamp swings clear around standard.

The standard is 20 inches high.

The base is cast iron covered by canopy. It must be screwed down.

PRICES.

Brass or Oxidized Copper.....	\$4.00
Japanned,.....	\$3.00

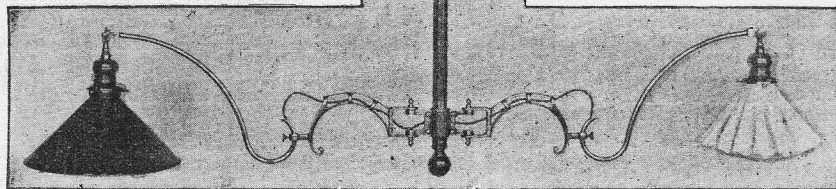
When oxidized copper is used inner arm will be of gray iron.

Prices do not include Shade, Lamp, Socket or Cord.



Number 19 has arms extending two feet on each side of hanger. Drop $2\frac{1}{2}$ feet. Lamps can be placed in any position, up, down or around hanger. The hanger is of $\frac{1}{2}$ -inch iron pipe, cased with one inch heavy brass tubing, iron flange inside of 5-inch canopy.

A splendid thing to have over writing or reading table or work bench.



No. 19.



PRICES OF NO. 20.

Brass Polished.....	\$4.50
Copper Oxidized.....	4.00
Japanned except outer arm which is Brass.....	2.65

When made oxidized copper all will be gray iron but outer arm.

Combined length 4 feet when lamp hangs down; when straight out 6 inches longer. Any shade can be used.

Elegant design and superior holder in every way for general purposes. Prices do not include Shade, Lamp, Socket or Cord.



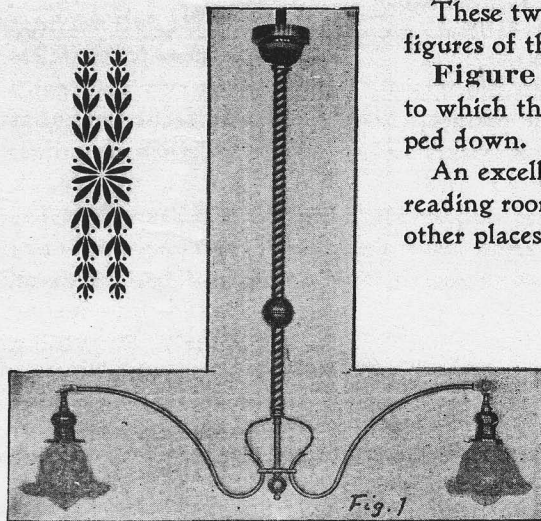
NO. 20.

No. 17.

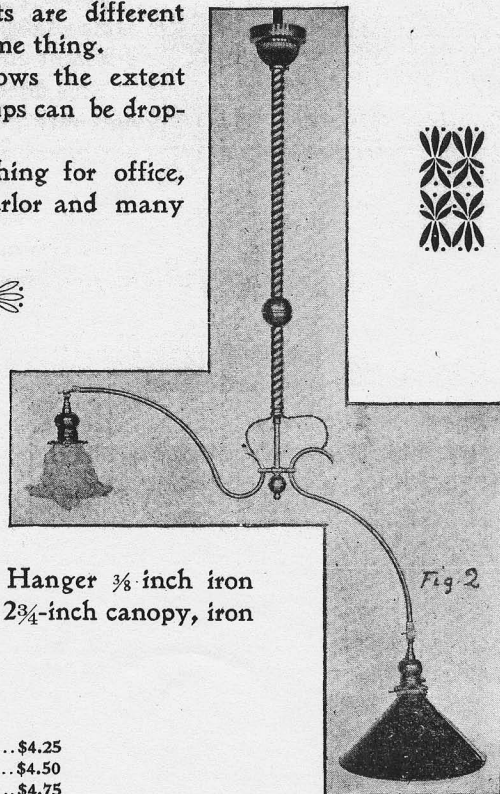
These two cuts are different figures of the same thing.

Figure 2 shows the extent to which the lamps can be dropped down.

An excellent thing for office, reading room, parlor and many other places.



No. 17.



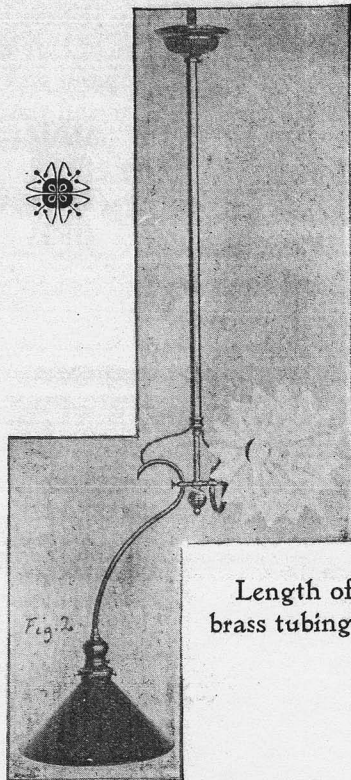
Length of arm to socket joint fifteen inches. Hanger $\frac{3}{8}$ -inch iron pipe, cased with $\frac{7}{8}$ -inch roped brass tubing, $3\frac{3}{4}$ by $2\frac{3}{4}$ -inch canopy, iron quadropod inside, $2\frac{1}{2}$ -inch ball. Drop $2\frac{1}{2}$ feet.

PRICES.

Brass Polished	\$4.25
Brass Oxidized.....	\$4.50
Copper Oxidized.....	\$4.75

Prices do not include Shade, Lamp, Socket or Cord.

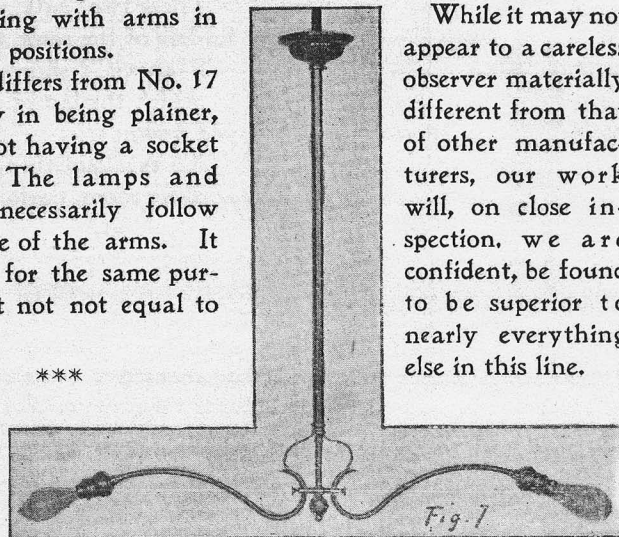
No. 18.



These two figures are the same thing with arms in different positions.

This differs from No. 17 not only in being plainer, but in not having a socket hinge. The lamps and shades necessarily follow the angle of the arms. It is good for the same purposes but not not equal to No. 17.

No. 18.



OUR WORK.

While it may not appear to a careless observer materially different from that of other manufacturers, our work will, on close inspection, be found to be superior to nearly everything else in this line.

Length of arm 12 inches. Hanger $\frac{3}{8}$ -inch iron pipe cased with $\frac{3}{4}$ -inch brass tubing. Drop $2\frac{1}{2}$ feet. 5-inch canopies, iron flange inside.

PRICES.

Brass Polished	\$3.00
Brass Oxidized	\$3.25
Copper Oxidized	\$3.50

Prices do not include Shade, Lamp, Socket or Cord.

Number 16 has 8-inch arms, ornamented by scroll work. They are adjustable up and down or sidewise. The hanger is $\frac{3}{8}$ -inch iron pipe cased with $\frac{7}{8}$ -inch roped tubing. Canopy $2\frac{3}{4} \times 3\frac{3}{4}$ inches with iron quodropod inside. $2\frac{1}{2}$ -inch ball. Drop $2\frac{1}{2}$ feet.

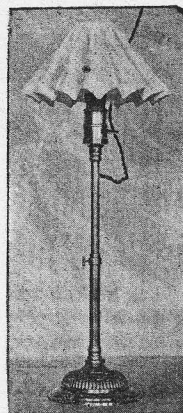
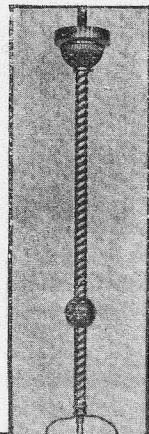
Price Brass Polished, \$4.25; Brass Oxidized, \$4.50; Copper Oxidized, \$4.75.

Number 24 is a simple table lamp with weighted base. It adjusts from 16 to 22 inches in height. The shade rests on top of lamp. Any $2\frac{1}{4}$ inch shade can be used.

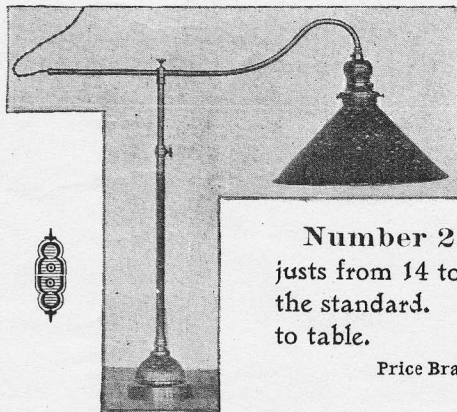
Price Brass Polished, \$1.25; Brass Oxidized, \$1.35; Copper Oxidized, \$1.45.

Prices do not include Shade, Lamp, Socket or Cord.

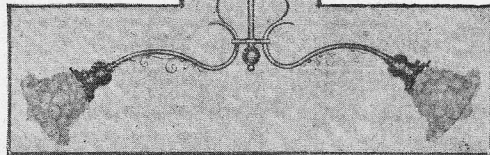
No. 16.



No. 24.



No. 23.

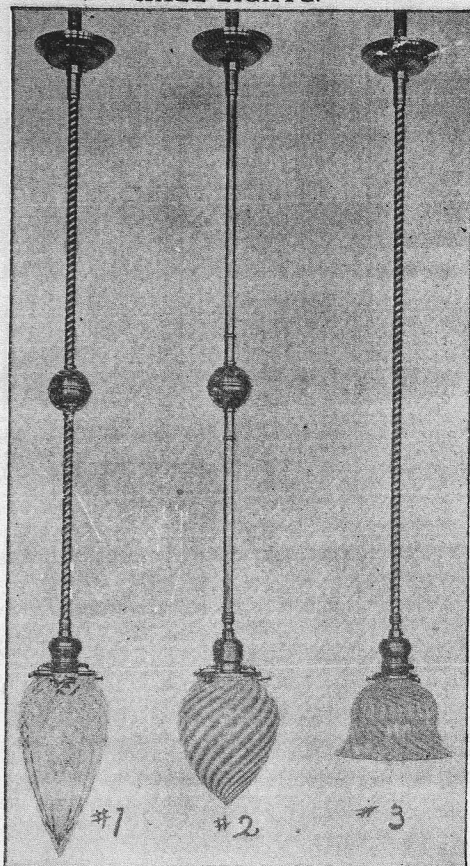


Number 23 has an adjustable arm 17 inches long. Standard adjusts from 14 to 24 inches in height. The lamp swings clear around the standard. The cast iron base under canopy must be screwed down to table.

Price Brass Polished, \$1.95; Brass Oxidized, \$2.10; Copper Oxidized, \$2.25.

Prices do not include Shade, Lamp, Socket or Cord.

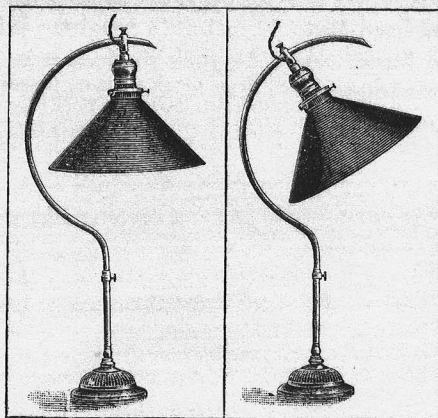
HALL LIGHTS.



These hall lights are made of $\frac{1}{2}$ -inch plain and roped brass tubing, with long $\frac{3}{8}$ -inch coupling at top. They have an iron flange for fastening to ceiling, or they will couple to $\frac{3}{8}$ -inch iron pipe. Sliding canopy $1\frac{1}{2}$ by 4 inches.

	Brass Polished.	Brass Oxidized.	Copper Oxidized
PRICES { No. 1.....	\$1.65	\$1.75	\$1.85
No. 2.....	1.60	1.70	1.80
No. 3.....	1.30	1.40	1.50

Prices do not include Glass Ware, Lamp, Socket or Cord.

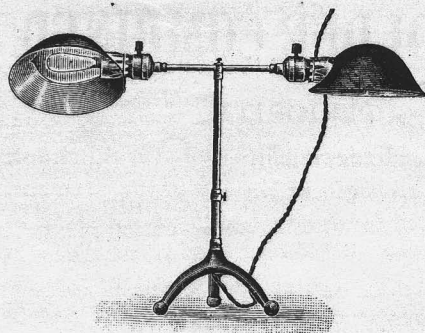


No. 22.

Number 22 has adjustable lamp as shown by the two cuts. It has a heavy base and is adjustable in height from 20 to 26 inches.

PRICE {	Brass Polished	\$1.25
	Brass Oxidized	1.35
	Copper Oxidized	1.45

Prices do not include Shade, Lamp, Socket or Cord.



No. 34.

They are adjustable in height from with an eye by which they can be casing, as shown by the two bottom brackets, out of the way on desk. The central cut shows how they may be laid on top of a desk with the lamp projecting over.

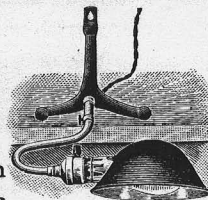
They are admirably adapted to the use of our Parabola, or other side shades which swivel around the socket, enabling the light to be turned to any direction.

The cross bar of No. 34 is six inches long, but we will make it of any length desired, to order at one and one half cents per inch for additional length.

PORTABLE TRIPOD STANDS.

The two cuts designated by No. 34, with two lights and the three cuts No. 30 with one light, have tripod bases, which always find an even bearing without regard to whether the surface on which they stand is level or not.

These stands have several other valuable features, as follows:

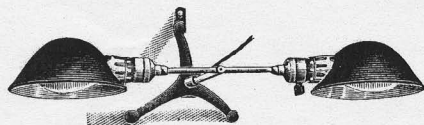


No. 30.

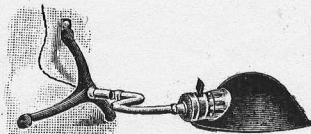
14 to 18 inches. They are all provided hung to a nail or screw on wall or cuts, thus making them excellent



No. 30.



No. 34.



No. 30.

PRICES

No. 30. Copper Oxidized,.....	\$1.45
No. 34 Copper Oxidized,.....	2.00

Prices do not include shade, lamp, socket or Cord.

7-INCH REFLECTOR SHADE AND HOLDER COMBINED.

MANY POINTS OF SUPERIORITY.

What are they? First. The Holder reaches well over the shank of the lamp leaving the shade to begin at the top of the filament, thus enabling a smaller shade of same angle to cover the lamp as well as a larger one with old style of holder. Being smaller it is lighter and less in the way. Being lighter it is easier to handle and to be borne by light fixtures at different angles. Is not so apt to rack or pull the socket to pieces as heavier shades are. Second. They fit any socket and are easier put on and off. Third. They have a neater appearance than the old style of shade and holder.

This much the three shapes have in common, but the Parabola has the further advantage of throwing the light from the side of the Lamp which gives even illumination, and as the holder swivels on the socket the shade can be turned to throw the light to any angle.

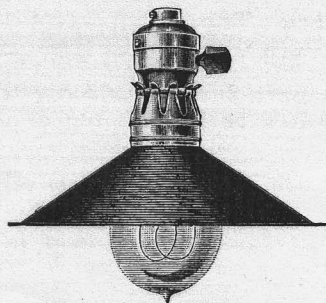
Is this enough? It is not all! They are seamless. They are made both of steel and aluminum. Both are enameled either black or green outside. The steel ones are finely enameled white inside, and the aluminum ones are highly polished.

They are not only shades but reflectors of the very highest order.

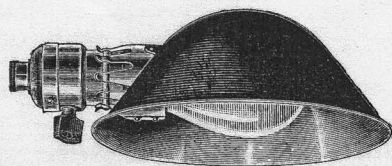
Prices, (Either shape) { **Steel, 35c each.**
Aluminum, 60c each.



CONE NO. 26.

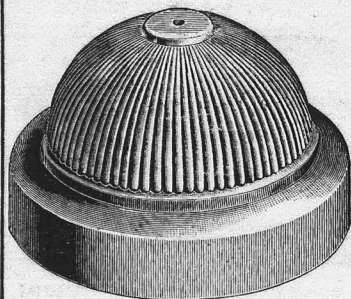


CEILING NO. 28.

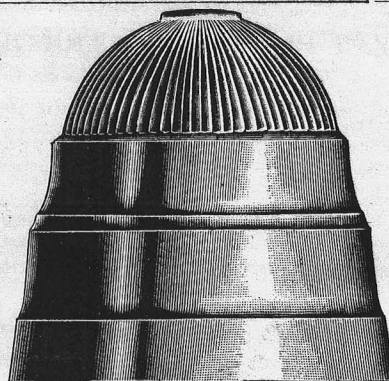


PARABOLA NO. 27.

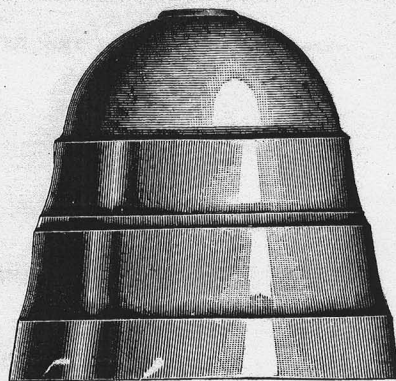
CANOPIES



No. 39.



No. 41.

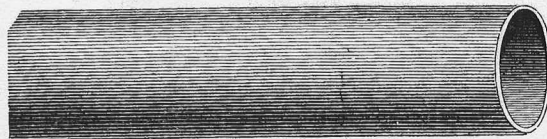


No. 40.

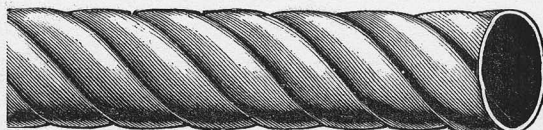
	STYLE.	SIZE.	No. 40.		
			Polished Brass.	Oxidized Brass.	Copper Oxidized Brass.
No. 39.	Ribbed Canopy.....	4-inch diameter, 2½ in. deep.....	\$.38	\$.44	\$.48
"	40. Plain Canopy.....	4-inch diameter, 4 in. deep.....	.46	.54	.58
"	41. Ribbed Canopy.....	4-inch diameter, 4 in. deep.....	.50	.58	.62

Rings and Screws are furnished at above prices to slip tubing from ¾-in. to 1-in. In ordering give size ring wanted.

CASING AND TUBING.—CASING.



No. 42.



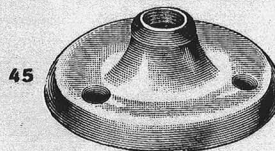
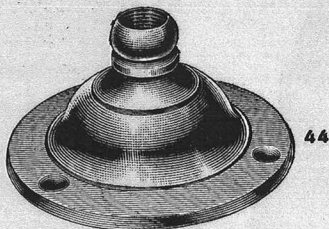
No. 43.

		No. 43.		
		Polished Brass.	Oxidized Brass.	Copper Oxidized Brass.
No. 42.	Plain Round Casing from ¾ in. to 1¼ in.	\$1.00	\$1.20	\$1.40
No. 43.	Plain Rope Casing from ¾ in. to 1¼ in.	1.10	1.30	1.50

TUBING.

- No. 42. Plain Round Brazed Tubing from ¾-in. to 2-in. polished.....85 cents per pound.
 This tubing is No. 18 gauge and is suitable for brackets or fixtures that require threading.
 The casing is laquered but the tubing is not as that should be done after all work on it is done.

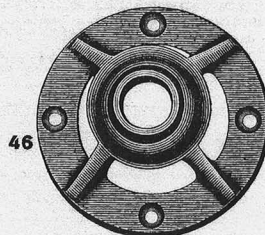
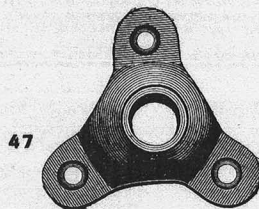
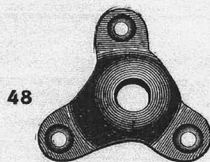
BRACKET PLATES AND TRIPODS.



No. 44 is $2\frac{3}{4}$ in. diameter and $1\frac{1}{2}$ in. high including nipple which is tapped to either 3-8 or 7-16 in. The base is made of spun brass over a cast iron filling. It is very strong and handsome.

No. 45 is $2\frac{1}{4}$ in diameter and one inch high. It is made of very heavy spun brass without filling. It is tapped to $\frac{3}{8}$ inch only. It is amply strong for a 12 inch bracket.

Prices per Dozen, Polished Brass,	{	No. 44,	\$2.75.
		No. 45,	\$1.50.



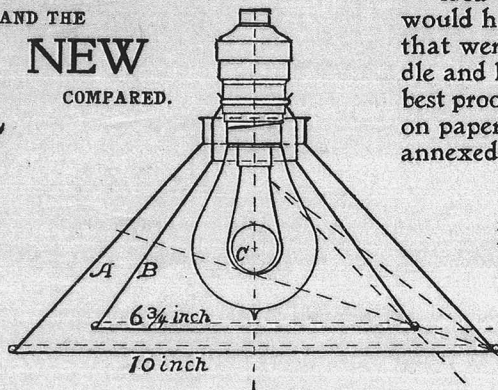
No. 46 is $3\frac{3}{4}$ in. diameter and $1\frac{3}{4}$ in. high and will be tapped for either $\frac{3}{8}$ or $\frac{1}{2}$ inch iron pipe.

No. 47 is 4 in. diameter and $1\frac{1}{4}$ in. high and will be tapped for either $\frac{3}{8}$ or $\frac{1}{2}$ inch iron pipe.

No. 48 is 3 in. diameter and one inch high and will be tapped for $\frac{1}{8}$, $\frac{1}{4}$ or $\frac{3}{8}$ inch iron pipe.

Prices per hundred, Iron	{	No. 46,	\$7.50.
		No. 47,	\$5.50.
		No. 48,	\$4.75.

THE OLD AND THE NEW COMPARED.



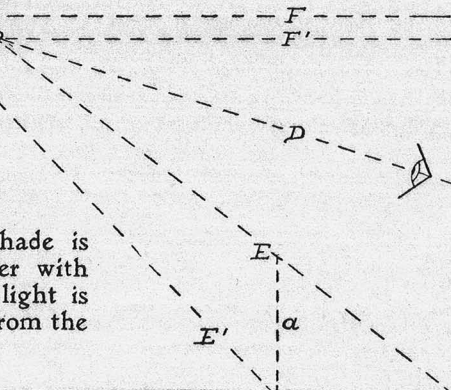
C is the filament of an ordinary 16 candle power lamp. Dotted lines E, E' indicate area lighted by whole filament. D is a line at the lowest point at which the eye can be placed and still be shaded from direct light from any part of the filament when the larger shade is used. It will be seen that it could go a little lower with the small shade. It will also be noticed that the light is more concentrated from the small reflector than from the larger one.

It should be known, however, that the area indicated by lines E, E' is not the only surface which receives direct light from the filament. A gradually decreasing amount of direct light will be spread out up to line D and reflected light up to lines F, F'. Of course, if a larger surface is desired to be lighted it is only necessary to raise the lamp and shade higher. As shown in the diagram the shades are only 7 and 7 $\frac{3}{4}$ inches respectively above the base line.

Comparison would be still more favorable to our Parabola Shade as the light being from the side of the lamp the surface covered is more evenly lighted.

IN designing our shades and reflectors the leading idea was to get up something of moderate size that would have all of the advantages of the larger shades that were on the market and be lighter, easier to handle and less in the way. A test in actual use is the best proof of our success, but as we cannot show that on paper we have attempted to demonstrate it by the annexed diagram, which is made to exact scale, $\frac{1}{4}$ size.

A shows an ordinary ten inch shade in the position that it would be held by an ordinary 2 $\frac{1}{4}$ inch holder. B is our 7 inch (really 6 $\frac{3}{4}$ in.) cone shade as held by our attached holder.



HERALD-DESPATCH CO.,

PRINTERS,

DECATUR, ILLINOIS.

